

JIPSC1036_SnapgeneDNA_INK2J00078R_PFN1_C71G_REVWT


 PFN1






 PFN1




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PFN1
PFN1-201

PFN1-201




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PFN1-201

FN1-201





PFN1-201



 PFN1-201





> Sanger Sequencing Primer $\begin{aligned} & \text { ACTAACTTGATGGGCGCTTG }\end{aligned}$

PCR Forward GAATCTTGGTGCACTGACTAACTTG









gRNA Protospacer




PFN1



 PFN1 PFN1-201

PFN1-201













$\xrightarrow[\text { PFN1 }]{\square}$

```.. \(3410 \quad 3410 \mathrm{bp} \square \rightarrow\)
                            = gene ENSG00000108518
                Protein coding
PFN1-202 1 .. 2369 2369 bp ם - | prim_transcript
/note
= primary transcript ENSTO00000572383
PFN1-202
_ prim_transcript
43 .. \(2369 \quad 2327 \mathrm{bp} \quad \square \quad \rightarrow \quad \mathrm{CDS}\)
- 3 segments \(=497 \mathrm{bp}\)
/note \(\quad=\) coding sequence ENSP 00000460363
```



```
PFN1-201 532 .. \(3410 \quad 2879 \mathrm{bp} \quad \square \quad \rightarrow \quad\) prim_transcript
/note
\(=\) primary transcript ENST00000225655
PFN1-201
- 3 segments \(=423 \mathrm{bp}\)
/note \(\quad=\) coding sequence ENSP000000225655
```



```
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline PFN1-203 & & 1593 .. 3395 & 1803 bp & \(\square\) & \(\rightarrow\) & prim_transcript \\
\hline /note & primary transcript ENST00000574872 & & & & & \\
\hline
\end{tabular}
PFN1-203 2218 .. \(3162 \quad 945\) bp \(\quad \rightarrow \quad\) CDS
| 2 segments \(=315 \mathrm{bp}\)
/note \(\quad=\) coding sequence ENSP000000465019
/translation \(\quad=\) MGAWFLFQPAEVGVLVGKDRSSFYVNGLTLGGQKCSVIRDSLLQDGEFSMDLRTKSTGGAPTFNVTVTKTDK,,TLVLLMGKEGVHGGLINKKCYEMASHLRRSQY* 104 amino acids \(=11.4 \mathrm{kDa}\)
\begin{tabular}{|c|c|c|c|c|c|}
\hline Donor Template SNV -> REV & 2284 .. 2383 & 100 bp & \(\square\) & \(\mapsto\) & misc_feature \\
\hline PAM & 2313 .. 2315 & 3 bp & \(\square\) & \(\mapsto\) & misc_feature \\
\hline Protospacer Sequence & 2316 .. 2335 & 20 bp & \(\square\) & \(\mapsto\) & misc_feature \\
\hline SNV & 2320 .. 2320 & 1 bp & \(\square\) & \(\mapsto\) & misc_feature \\
\hline
\end{tabular}
\begin{tabular}{ll} 
note & \(=\)\begin{tabular}{l}
\(W T=T\) \\
\(S N V=G\)
\end{tabular}
\end{tabular}
ENO3-204 \(\quad 2852 . . \quad 970 \quad 1529 \mathrm{bp} \quad \square \quad \leftarrow \quad\) prim_transcript
/note \(\quad=\quad\)\begin{tabular}{l} 
primary transcript ENST000000519266 \\
\\
Protein coding
\end{tabular}
ENO3-209 \(\quad 6158\).. 4, 48994,965,359 bp \(\square\) prim_transcript
/note
\(=\) primary transcript ENST00000520221 Protein coding
ENO3 8069 .. 492704,963,608 bp \(\square \quad \leftarrow \quad\) gene
/note \(\quad=\) gene ENSG00000108515
Protein coding
```

/sequence
$=$ GAATCTTGGTGCACTGACTAACTTG $44 \%$ GC / 7672.1 Da

/sequence $\begin{aligned}= & \text { TCTTGGTACGAAGATCCAT } \\ & 51 \% \text { GC } / 30,586.8 \mathrm{Da}\end{aligned}$
gRNA Protospacer
/sequence
$=$ CCCGGATCACCGAACCTTTC 60\% GC / 5997.9 Da
PCR Reverse
25-mer 2728 .. $2752-58^{\circ} \mathrm{C}$ Jun 14,2022
/sequence
$=$ AAGAACTCAAACGATGAACTCGATG 40\% GC / 7692.1 Da

